

# PROCESS TECHNOLOGY

ON-CAMPUS • ONLINE



A career in Process Technology (PTEC) provides excellent pay and employability for years to come. High demand is expected to continue for process operators.

## CAREER opportunities

- Process Operator
- Refinery Operator
- Operations Technician
- Plant Operator
- Chemical Technician
- Production Technician
- Gas Plant Operator



This program receives funding from the U.S. Department of Labor, veterans and eligible spouses receive priority of service over non-covered persons. (20 CFR 1010)

## HANDS-ON LEARNING. WORKFORCE READY.

**BSC's Process Technology program focuses on the machines, technology, and work required to create a product such as natural gas, food products, and more.**

This online and on-campus program prepares students for employment in operating refineries, ethanol plants, gasification plants, petrochemical plants, and natural gas processing plants. Students are prepared for a rapidly changing industry by leveraging state-of-the-art, interactive learning tools aligned to actual on-the-job tasks. The program covers the safety and technical aspects of operating the plant, the work of a plant operator, and the mechanical and chemical technology needed for working in similar industrial operations. High demand is expected for process plant operators as the existing workforce retires and the industry evolves and expands.

### PRESCRIBED TECHNICAL PROGRAM REQUIREMENTS

<b>ENRT 101</b>	Introduction to Energy Technology
<b>ENRT 105</b>	Safety, Health & Environment
<b>ENRT 107</b>	Mechanical Fundamentals
<b>ENRT 110</b>	Plant Equipment & Systems
<b>ENRT 112</b>	Print Reading
<b>ENRT 104</b>	Electrical Fundamentals
<b>ENRT 116</b>	Instrumentation & Control
<b>ENRT 224</b>	Automation & Control
<b>ENRT 118</b>	Heat Transfer, Fluid Flow & Thermodynamics
<b>ENRT 120</b>	Water Purification & Treatment
<b>ENRT 205</b>	Steam Generation
<b>ENRT 215</b>	Operations, Troubleshooting & Communication
<b>PROP 235</b>	Hydrocarbon Chemistry
<b>PROP 237</b>	Distillation & Refinery Operations
<b>PROP 239</b>	Gas Processing
<b>PROP 244</b>	Ethanol & Biofuel Production
<b>ENRT 220</b>	Practical Applications

*\*Program also includes required general education*



**STRONG JOB MARKET**



**CERTIFICATION IN A VITAL INDUSTRY**



**\$66.7K MEDIAN SALARY**

[bismarckstate.edu](http://bismarckstate.edu)

\*Earning estimates were provided by Lightcast in the Fall of 2024

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